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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,697

DATE: 04/06/2001

TIME: 10:31:45 ENTERED

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\04062001\I816697.raw

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	6		ВІ	NDIN	IG PR	OTEI	N AN	ID US	ES I	HERE	FOR							
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	3.1	Met A	lla	Ser	Pro	Glu	His	Pro	Gly	Ser		Gly	Cys	Met	Gly	Pro	He	
	32	1				5					10					15		0.6
	34	acc c	cag	tgc	acg	gca	agg	acc	cag	cag	gaa	gca	cca	gcc	act	ggc	ccc	96
	35	Thr G	Sln	Cys	Thr	Ala	Arg	Thr	Gln		Glu	Ala	Pro	Ala	Thr	Gly	Pro	
	36				20					25					30			1.4.4
	38	gac c	ctc	ccg	cac	cca	gga	cct	gac	ggg	cac	tta	gac	aca	cac	agt	ggc	144
	39	Asp I	Leu	Pro	His	Pro	Gly	Pro		Gly	His	Leu	Asp	Thr	His	Ser	GIY	
	40			35					40					45				100
	42	ctg a	agc	tcc	aac	tcc	agc	atg	acc	acg	cgg	gag	ctt	cag	cag	tac	rgg Tmm	192
	43	Leu S		Ser	Asn	Ser	Ser		Thr	Thr	Arg	Glu	Leu	GIn	GIN	JAL	TTP	
	44		50					55					60			~~~	2+0	240
	46	cag a	aac	cag	aaa	tgc	cgc	tgg	aag -	cac	gtc	aaa	ctg	CTC	LLL	gay	Tlo	240
		Gln A	Asn	Gln	Lys	Cys		Trp	Lys	HIS	Val	Lys	Leu	Leu	Pne	GIU	80	
	48	65					70				~ 4. ~	75	227	+++	a+a	ata		288
	50	get t	ca	gct	cgc	atc	gag	gag	aga	aaa	gue	Con	aay	Dha	y Ly 1751	y cy Val	Tur	200
		Ala S	Ser	Ala	Arg		Glu	GIU	Arg	Lys	90	ser	rys	PHE	val	95	1 Y 1	
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		Gln I	Πe	He		TTE	GIn	Thr	GIY		Pne	ASP	ASII	ASII	110	Alu	vai	
	56				100				++0	105	224	ata	a a a	222		cta	cta	384
	58	ctg q	gaa	cgg	cgc	tat	Com	gac	Dho	y Cy	Tuc	LOU	Cln	Lve	Δla	T.ell	Leu	304
		Leu (ıLu		arg	ıyr	ser	ASP	120	HId	гуз	ьeu	GIII	125	лти	Leu	LCu	
	60		_	115		~~~	<i>a</i>	2+0		a a c	ata	nan	+++		agg	aad	cac	432
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	64	ctg a	130			++~	ac+	135	a a a	ato	ato	tat		cat	caa	cac	acc	480
	bb 	ctg a	iCT	ggg	aac	Dha	yct x1=	gay	gay	Met	TID	Ctra	Glu	Ara	Ara	Ara	Ala	
	6/	Leu 1	rnr	СΙΆ	asn	Fire	HId	GIU	GIU	Met	116	СуЗ	Giu	ni 9	1119	*** 9		

RAW SEQUENCE LISTING
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	Leu	GIn	Glu	Tyr		GIA	Leu	Leu	ТУТ	170	116	AIG	СУБ	Val	175	711.9	
72					165		++-	ata	200		aca	αaα	cta	Cac		act	576
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	Ser	Arg	Glu		Leu	Asp	Pne	Leu	185	AIG	PIO	Gru	цец	190	Gra	mia	
76				180			~~~	000		aca	cac	acc	cta		cta	cta	624
78	ttc	ggc	tgc	ctg	cgg	gcc 315	gge	Cln	Tur	Dro	Ara	Δla	Len	Glu	Len	Leu	
	Phe	GTA	Cys	Leu	Arg	Ala	СТА	200	1 7 1	PIO	AIG	Ald	205	Olu	пса	ДСС	
80			195						229	ata	3.00	acc		tac	cct	aca	672
82	ctg	cgc	gtg	ctg	ccg	ctg	cay	gay	aay	Tan	Thr	Λla	Hic	CVS	Pro	Ala	.
	Leu		Val	Leu	Pro	Leu		Glu	гуѕ	ьец	1111	220	1113	CYD	110	1114	
84		210				_ 4	215	~~~	~ + ~	at a	ata		cac	Cac	gac	ctc	720
86	gcc	dcc	gtc	ccg	gcc	ctg	Lgc	gcc	y Ly	Lou	Lou	Cvc	Uie	Ara	Δsn	Leu	, 20
		Ala	Val	Pro	Ala		Cys	Ald	vaı	ьeu	235	Cys	1112	1119	nsp.	240	
88	225					230	+ + ~	~~~	a a a	aas		agg	acc	cta	caq		768
90	gac	cgc	ccc Pro	gcc	gag	gee	Dha	geg	3 1 a	Clu	Clu	Ara	λla	Lien	Gln	Ara	, , ,
	Asp	Arg	Pro	Ala		Ald	Phe	АІа	на	250	GIU	nig	niu	Lou	255	9	
9.2					245	~~~	a a +	000	+20		aca	cct	cta	cta		gcc	816
94	ctg	cag	gcc Ala	cgg	gag	ggc	Cat	Ara	Tur	Tur	ηla	Dro	Len	Len	Asp	Ala	0
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96			cgc	260	~~~	+ 2.0	aaa	ata		aan	gac	ttc	ata		cta	caq	864
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		vaı	Arg 27!		Ата	тут	Ата	280) Oly	цуз	пор	1 110	28	5			
10	J 3 ~ ~ ~ .	- 50	. اک م+د			r arr	o car			ı add	ı cc	c acc			a qq	c atc	912
10	z gay	y ayı	y CL	y gay	y gay	i Se	r Gli	n Lei	ı Arc	ı Arc	ı Pro	o Thi	r Pr	o Ar	g ĞÎ	y Ile	
10		JAL	g ne	r Gro	T GIC	L JC.	LOI	1 110		,	,					-	
	4	20					29	5				300)				
10	6 20	29	0				29	5	a gaa			300)				951
10	6 ac	c ct	0 g aa	g gag	g cto	ac	29. t gt:	5 g cga	a gaa a Glu	a tac	c ct	300 g cao	tg.				951
10 10	6 ac	c cto r Le	0	g gag	g cto	e ac	29. t gt r Va	5 g cga	a gaa g Glu	a tac	c ct	300 g cad u His	tg.				951
10 10 10	6 acc 7 Th: 8 30	c cto r Leo 5	0 g aaq u Ly:	g gaq s Glu	g cto ı Lei	ac	29. t gt r Va	5 g cga	a gaa g Glu	a tac	c cto	300 g cad u His	tg.				951
10 10 10 11	6 acc 7 Th: 8 30 1 <2	c cto r Le 5 10>	0 g aaq u Ly: SEQ :	g gaq s Glu ID NO	g cto Leu D: 2	e ac	29. t gt r Va	5 g cga	a gaa g Glu	a tac	c cto	300 g cad u His	tg.				951
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10 10 10 11 11 11 11 11	6 acc 7 Th: 8 30: 1 <2: 2 <2: 3 <2: 4 <2: 6 <4: 7 Me:	c cter 5 11> 11> 12> 13> 00> t Al	0 g aac g aac sEQ LENG TYPE ORGA SEQU a Se	g gag S Glu ID NO IH: : : PR NISM ENCE r Pro	g cto 1 Let 1 C: 2 316 1 Hor 1 C: 4 C: 2	e ac 1 Th: 31	29. t gto r Va 0	5 g cga l Arg	g Glu y Se:	a tac I Tyl	c cto	300 g cac u His	c tg	a t Gl	y Pr 1	o Ile 5	951
10 10 10 11 11 11 11 11 11 12	6 acc 7 Th: 8 30: 1 <2 2 <2: 3 <2: 4 <2 6 <4: 7 Me 8 0 Th	c cter 5 10>: 11>: 12>: 13>: 00> t Al: 1 r Gl	0 g aac u Ly: SEQ : LENG' TYPE ORGAI SEQU' a Se. n Cy:	g gag s Glu ID NO IH: 1 : PRI NISM ENCE r Pro s Th:	g ctc 1 Let 1 Let 2 Since the second	e action The state of the state	29: t gt: r Va 0	g cga g cga l Arg ns o Gl;	y Sex n Gli 2!	r Pro	c ctc Lev 31	g cad u His 5	s Me	a t Gl a Th 3	y Pr 1 r Gl	o Ile 5 y Pro	951
10 10 10 11 11 11 11 11 11 12	6 acc 7 Th: 8 30: 1 <2 2 <2: 3 <2: 4 <2 6 <4: 7 Me 8 0 Th	c cter 5 10>: 11>: 12>: 13>: 00> t Al: 1 r Gl	0 g aac u Ly: SEQ : LENG' TYPE ORGAI SEQU' a Se. n Cy:	g gag s Glu ID NO IH: 1 : PRI NISM ENCE r Pro s Th:	g ctc 1 Let 1 Let 2 Since the second	e action The state of the state	29: t gt: r Va 0	g cga g cga l Arg ns o Gl;	y Sex n Gli 2!	r Pro	c ctc Lev 31	g cad u His 5	s Me	a t Gl a Th 3	y Pr 1 r Gl	o Ile 5 y Pro	951
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10 10 10 11 11 11 11 11 12 12 12 12	6 acc 7 Th: 8 30: 1 <2: 2 <2: 3 <2: 4 <2 <6 <4. 7 Me: 8 0 Th 1 As: 4 Le	c cter Ler 5 10 > 11 > 12 > 13 > 10 > 11	0 g aac u Ly: SEQ : LENG TYPE ORGAL SEQUIA Se. u Pro 3 r Se	g gags Glu ID NO ITH: : : PRI NISM ENCE r Pro S Th: 20 O Hi: 5	g cto 1 Let 2: 2 316 1: Hor: 2: 2 5 Glu r Ala 0 5 Pro	ac a	29: t gtc r Va 0 apie s Pr g Th y Pr r Me 5	g cgg g cgg l Arg ns o Gl; o As; 4 t Th	y Ser n Gli 2! p Gly 0	r Pro	c ctc 2 Ler 31 0 Gl 1 Al	g cad u His 5 y Cys a Pro u As u Le	s Me c Al p Th 4 u Gl	t Gl a Th 3 r Hi 5 n Gl	y Pr 1 r Gl 0 s Se n Ty	o Ile 5 y Pro r Gly r Trp	951
10 10 10 11 11 11 11 11 12 12 12 12	6 acc 7 Th: 8 30: 1 <2: 2 <2: 3 <2: 4 <2 <6 <4. 7 Me: 8 0 Th 1 As: 4 Le	c cter Ler 5 10 > 11 > 12 > 13 > 10 > 11	0 g aac u Ly: SEQ : LENG TYPE ORGAL SEQUIA Se. u Pro 3 r Se	g gags Glu ID NO ITH: : : PRI NISM ENCE r Pro S Th: 20 O Hi: 5	g cto 1 Let 2: 2 316 1: Hor: 2: 2 5 Glu r Ala 0 5 Pro	ac a	29: t gtc r Va 0 apie s Pr g Th y Pr r Me 5	g cgg g cgg l Arg ns o Gl; o As; 4 t Th	y Ser n Gli 2! p Gly 0	r Pro	c ctc Ler 31 c Gl u Al s Le g Gl	g cac u His 5 y Cys a Pro u As u Le 6 s Le	s Me c Al p Th 4 u Gl	t Gl a Th 3 r Hi 5 n Gl	y Pr 1 r Gl 0 s Se n Ty	o Ile 5 y Pro r Gly r Trp u Ile	951
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136				100				51	105	Tira	Lou	Cln	Lvc		Leu	Leu	
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141	Lys	Thr	Phe	Arg	Glu	Glu	TTE	GIU	ASP	Val	GIU	140	110	9	27-		
142		130					135	<i>α</i> 1	Wot	т1о	Cvc		Δra	Ara	Ara	Ala	
		Thr	Gly	Asn	Phe	Ala	Glu	GIU	Mec	116	155	Olu		,	5	160	
145	145				_	150	T	T 011	Tur	λla		Ara	CVS	Val	Ara	Arq	
1.47	Leu	Gln	GLu	Tyr	Leu	GIY	Leu	Leu	тут	170	110	1119	01-		175	_	
148				Phe	165	7 00	Dho	LOU	Thr	Ara	Pro	Glu	Leu	Arg	Glu	Ala	
150	Ser	Arg	Glu	Phe	Leu	ASP	Pne	ьец	185	nig	110	014		190			
151			_	180 Leu	3	7 l n	C111	Cln	Tur	Pro	Ara	Ala	Leu	Glu	Leu	Leu	
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154		_	195	Leu	Dwo	Tou	Cln	Glu	Lvs	Leu	Thr	Ala	His	Cys	Pro	Ala	
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157	- 1	210	17- 1	Pro	7 l a	LOU	CVC	Δla	Va l	Leu	Leu	Cys	His	Arg	Asp	Leu	
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163	Ŧ	al n	א 1 ה	Arg	Clu	Glv	His	Ara	Tvr	Tyr	Ala	Pro	Leu	Leu	Asp	Ala	
				260					265					2/0			
166	Mot	Wa 1	λκα	Z 0 0	Δla	Tvr	Ala	Leu	Gly	Lys	Asp	Phe	Val	Thr	Leu	Gln	
			つフに					- 280					200				
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170		200					295					300					
174	Thr	Leu	Lvs	Glu	Leu	Thr	Val	Arg	Glu	Tyr	Leu	His					
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			EQ I	D NO	: 3												
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180	<.21	2> T	YPE:	DNA													
181	<21	.3> 0	RGAN	ISM:	Art	ific	ial	Sequ	ence	3							
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187	at.a	actga	att	ccgc	ctct	CC C	gcaa	agggo	cc ac	cat							
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192	2 <:21	12> 1	TYPE:	DNA	١ .		. ,	G									
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195	5 <22	20)> I	FEATU	JRE:			t. D	agari	intio	on Of	F Art	tific	rial	Segu	ience	e: pri	mer
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198	3 (4))()> 5	5EQUI	ENCE:	4	nac +	- 2200	raaa	7a a	a or							33
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/816,697

DATE: 04/06/2001 TIME: 10:31:46

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\04062001\I816697.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date